

[NOISE SUPPRESSING METHOD FOR SWITCHING ON/OFF FLAT PANEL DISPLAY]

Abstract

A noise suppressing method for switching on/off a flat panel display. A signal detect circuit and a video signal processor are embedded in a time controller IC. At the switch-on transient, the signal detect circuit functions to detect whether the signal is stable. When an unstable signal is detected, the video signal processor controls the driver IC to output a black burst signal. At the switch-off transient, the signal detect circuit is used to detect the switch-off signal. When the switch-off signal is detected, the video signal processor controls the driver IC to output a charge reset signal. The flat panel display is switched off after the charge reset operation is performed for all the pixels.